TRI FACILITY ID: 98134LSKNC32006 Date: 12/13/93

ALASKAN COPPER WORKS 3200 6TH AVE. S. SEATTLE, WA 98134

Dear Toxic Release Inventory (EPA Form R) Reporter:

Ant Jerrich

B CORRECT

12-17-93

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the the Form

Toxic Attached is a report, produced by EPA, which lists the chemical identities and corresponding release values for the Form R reports EPA received from the facility listed above for Toxic Release Inventory (TRI) Reporting Year 1992 (RY92).

It is EPA's intention to represent all data reported by your facility as accurately as possible. In order to do this, EPA has implemented a variety of quality control procedures. We believe our data entry is of good quality. However, as a final quality control measure, we ask that you verify the critical estimate value information listed on this report against your Form R files. If you find any data entry errors, please let us know by following these simple instructions:

- On the attached report, use a red pen to mark through the erroneous value, and write the corrected value next to it.
- Return the corrected report to:

The EPCRA Reporting Center P.O. BOX 3348 Merrifield, VA 22116-3348 Attn: TRI 100%

We request that you do this within 21 calendar days of receipt, so that we may correct your data before we make it publicly available in the next data release. If you do not find any errors in this report, a response is not necessary.

Please DO NOT use this report to make changes to release values or any other data which you reported incorrectly. Those changes should be submitted to EPA by making a photocopy of your Form R, writing 'REVISION' in red ink in in the space labelled 'Enter 'X' here if this is a revision' on page one of the form, marking through the original data and writing in the revised data in red ink. The certification signature block on the revised form must contain an original signature. Mark through the photocopied signature, re-sign and date the revised form. Return the revised form to the address above. The attention line should read: Attn: RY92 Revision'.

AKC-0021129

Please keep these facts in mind when reviewing the accuracy and completeness of this report:

- 1) The report lists only those form R reports which have completed our internal data quality checks. If one or more of the forms submitted by your facility is not listed here, you will be receiving additional correspondence from us soon.
- 2) The data represented here may not reflect any voluntary revisions submitted by your facility, if those revisions were not processed by the time we produced this report.
- 3) We observe certain conventions in the way your facility is represented. For example, we always list the main company name first, followed by the division name. We also use standard abbreviations for certain words such as Corporation (Corp.) and Highway (Hwy.). Please correct this information only if the actual data are incorrect.
- 4) Releases, off-site transfers, and other waste stream quantities are entered to the nearest pound.

If you have any questions about the information on this report, please call the EPCRA Reporting Center:

(703) 816-4445

Indicate that you are calling about the 'TRI 100% Industry Review'. You will be referred to a Reporting Center staff member who can answer your questions.

Finally, we would like to suggest that you consider using EPA's magnetic media Automated Form R (AFR) reporting software package for submitting your reports in the future. AFR reporting by a facility allows EPA to enter your data exactly as you provide it, and reduces, if not eliminates, EPA data processing errors. AFR software, available from EPA, will be sent to you along with the 1992 reporting package, free of charge. We think that reporting on diskette is easier and more cost effective, both for facilities and the government, and that it helps to ensure a high standard of data quality.

Thank you for your efforts to make Toxic Release Inventory data as accurate as possible.

Steven D. Newburg-Rinn, Chief
Toxic Release Inventory Information
Management Branch (7407)
Information Management Division
Office of Pollution Prevention and Toxics
Office of Prevention, Pesticides
and Toxic Substances
U.S. Environmental Protection Agency

TRI FACILITY ID: 98134-LSKNC-32006 DATE: 12/13/93

ALASKAN COPPER WORKS 3200 6TH AVE. S. SEATTLE, WA 98134

RELEASE VALUE REPORT

Document Control Nbr. Chemical Name 13-92-06539307-4-WA MANGANESE COMPOUNDS	CAS Number N450
5.1 Fugitive or non-point air emissions	1 - 10
5.2 Stack or point air emissions	NA
5.3.A Discharges to water bodies NA	NA
5.4 Underground injections on-site	NA
5.5.1 Releases to landfill	NA
5.5.2 Releases to land treatment/application farming	NA
5.5.3 Releases to surface impoundment	NA
5.5.4 Releases to other land disposal	NA
6.2.01 Transfer to other off-site WORLD RESOURCES CO.	11 - 499
6.2.02 Transfer to other off-site	ДИ
6.1.A Total quantity transferred to POTWs	NA
8.1.A Quantity released	5
8.1.B Quantity released	5
8.1.C quantity released	5
8.1.D Quantity released	5 No. 1 1 1 1 1 5
8.2.A Quantity used for energy recovery on-site	0
8.2.B Quantity used for energy recovery on-site	0
8.2.C Quantity used for energy recovery on-site	0
8.2.D Quantity used for energy recovery on-site	0
8.3.A Quantity used for energy recovery off-site	0
8.3.B Quantity used for energy recovery off-site	0
8.3.C Quantity used for energy recovery off-site	All the property
8.3.D Quantity used for energy recovery off-site	0
8.4.A Quantity recycled on-site	0
8.4.B Quantity recycled on-site	
8.4.C Quantity recycled on-site	0
8.4.D Quantity recycled on-site	0
8.5.A Quantity recycled off-site	0
8.5.B Quantity recycled off-site	14
8.5.C Quantity recycled off-site	10
8.5.D Quantity recycled off-site	10
8.6.A Quantity treated on-site	0
8.6.B Quantity treated on-site	0
8.6.C Quantity treated on-site	0
8.6.D Quantity treated on-site	0
8.7.A Quantity treated off-site	0
8.7.B Quantity treated off-site	0
8.7.C Quantity treated off-site	0
8.7.D Quantity treated off-site	0
8.8 Quantity released from catastrophic/remedial action	0
8.9 Production ratio or activity index	.60

TRI FACILITY ID: 98134-LSKNC-32006

DATE: 12/13/93

ALASKAN COPPER WORKS 3200 6TH AVE. S. SEATTLE, WA 98134

RELEASE VALUE REPORT

Document Control Nbr. Chemical Name 13-92-06539308-6-WA NITRIC ACID	CAS Number 007697-37-2
5.1 Fugitive or non-point air emissions	1 - 10
5.2 Stack or point air emissions	NA
5.3.A Discharges to water bodies NA	NA
5.4 Underground injections on-site	NA
5.5.1 Releases to landfill	MA
5.5.2 Releases to land treatment/application farm	
5.5.3 Releases to surface impoundment	NA
5.5.4 Releases to other land disposal	NA NA
6.2.01 Transfer to other off-site	NA
6.1.A Total quantity transferred to POTWs	NA NA
8.1.A Quantity released	9
8.1.B Quantity released	6
8.1.C quantity released	5
8.1.D Quantity released	5
8.2.A Quantity used for energy recovery on-site	0
8.2.B Quantity used for energy recovery on-site	0
8.2.C Quantity used for energy recovery on-site	0
8.2.D Quantity used for energy recovery on-site	• • • • • • • • • • • • • • • • • • •
8.3.A Quantity used for energy recovery off-site	0
8.3.B Quantity used for energy recovery off-site	0
8.3.C Quantity used for energy recovery off-site	
8.3.D Quantity used for energy recovery off-site	
8.4.A Quantity recycled on-site	
8.4.B Quantity recycled on-site	
8.4.C Quantity recycled on-site	
8.4.D Quantity recycled on-site	
8.5.A Quantity recycled off-site	
8.5.B Quantity recycled off-site 8.5.C Quantity recycled off-site	
8.6.A Quantity treated on-site 8.6.B Quantity treated on-site	25,000
8.6.C Quantity treated on-site	334,000
8.6.D Quantity treated on-site	14,000
8.7.A Quantity treated off-site	14,000
8.7.B Quantity treated off-site	방송 문화를 시작되는데 보스 및 모 <mark>ੇ</mark>
8.7.C Quantity treated off-site	경기를 들었습니다. 하는 등을 불리는 수도를 ? ~
8.7.D Quantity treated off-site	한다. 보이가 느가 하나 잘 보는 사고 있는 것이
8.8 Quantity released from catastrophic/remedia	l action
8.9 Production ratio or activity index	.60

DATE: 12/13/93

ALASKAN COPPER WORKS 3200 6TH AVE. S. SEATTLE, WA 98134

RELEASE V A L U E REPORT

5.1 Fugitive or non-point air emissions 5.2 Stack or point air emissions 5.3 NA 5.3.A Discharges to water bodies NA 5.4 Underground injections on-site 5.5.1 Releases to landfill 5.5.2 Releases to landfill 5.5.3 Releases to surface impoundment 5.5.4 Releases to other land disposal 6.2.01 Transfer to other off-site WORLD RESOURCES CO. 6.2.02 Transfer to other off-site 6.1.A Total quantity transferred to POTWs 6.1.A Quantity released 6.1.B Quantity released 6.1.C quantity released 6.1.C quantity released 6.1.D Quantity released 6.1.C quantity used for energy recovery on-site 6.2.B Quantity used for energy recovery on-site 6.2.C Quantity used for energy recovery on-site 6.2.C Quantity used for energy recovery on-site 6.3.A Quantity used for energy recovery on-site 6.3.A Quantity used for energy recovery off-site 6.3.B Quantity used for energy recovery off-site 6.3.C Quantity recycled on-site 6.4.B Quantity recycled on-site 6.4.C Quantity recycled off-site 6.5.A Quantity recycled off-site 6.5.C Quantity recycled off-site	Document Control Nbr. 13-92-06539309-8-WA	Chemical Name NICKEL COMPOUNDS	CAS Number N495
5.2 Stack or point air emissions 5.3.A Discharges to water bodies NA 5.4 Underground injections on—site 8.5.1 Releases to landfill 8.5.5.1 Releases to landfill 8.5.2 Releases to land treatment/application farming 8.6.5.3 Releases to surface impoundment 8.6.5.4 Releases to other land disposal 8.6.2.01 Transfer to other offi-site WORLD RESOURCES CO. 8.1. Transfer to other offi-site 8.1. Total quantity transferred to POTWS 8.1. Total quantity released 8.1. B Quantity released 8.1. C quantity released 8.1. C quantity released 8.1. C quantity used for energy recovery on—site 8.2. A Quantity used for energy recovery on—site 8.2. B Quantity used for energy recovery on—site 8.2. C Quantity used for energy recovery official Occupantity Used for energy recovery Occupantity Occupantity Used for energy recovery Occupantity Occupantity Used Former Occupantity Occupantity Occupantity Occupantity O	5 1 Fugitive or no	on-point air emissions	1 - 10
5.3.A Discharges to water bodies NA 5.4 Underground injections on-site 5.5.1 Releases to landfill 5.5.2 Releases to land treatment/application farming NA 5.5.3 Releases to surface impoundment NA 5.5.4 Releases to other land disposal NA 6.2.01 Transfer to other off-site WORID RESOURCES CO. 11 - 499 6.2.02 Transfer to other off-site NA 6.1.A Total quantity transferred to POTWs 1 - 10 8.1.A Quantity released S.1.B Quantity released S.1.C quantity released S.1.C quantity released S.1.D Quantity used for energy recovery on-site S.2.A Quantity used for energy recovery on-site S.2.B Quantity used for energy recovery on-site S.2.C Quantity used for energy recovery on-site S.2.D Quantity used for energy recovery off-site S.3.A Quantity used for energy recovery off-site S.3.C Quantity used for energy recovery off-site S.3.C Quantity used for energy recovery off-site S.3.D Quantity used for energy recovery off-site S.3.D Quantity recycled on-site S.4.C Quantity recycled on-site S.4.C Quantity recycled on-site S.5.A Quantity recycled on-site S.5.A Quantity recycled off-site S.5.B Quantity recycled off-site S.5.B Quantity recycled off-site S.5.B Quantity recycled off-site S.5.B Quantity recycled off-site			
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8.3.C Quantity used for energy recovery off-site 8.3.D Quantity used for energy recovery off-site 8.4.A Quantity recycled on-site 8.4.B Quantity recycled on-site 8.4.C Quantity recycled on-site 8.4.D Quantity recycled on-site 8.5.A Quantity recycled off-site 8.5.B Quantity recycled off-site 325			
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8.4.B Quantity recycled on-site 8.4.C Quantity recycled on-site 8.4.D Quantity recycled on-site 8.5.A Quantity recycled off-site 8.5.B Quantity recycled off-site 325	8.3.D Quantity used	for energy recovery off-site	0
8.4.B Quantity recycled on-site 8.4.C Quantity recycled on-site 8.4.D Quantity recycled on-site 8.5.A Quantity recycled off-site 8.5.B Quantity recycled off-site 325	8.4.A Quantity recy	cled on-site	0
8.4.D Quantity recycled on-site 8.5.A Quantity recycled off-site 8.5.B Quantity recycled off-site 325	8.4.B Quantity recy	cled on-site	
8.5.A Quantity recycled off-site 8.5.B Quantity recycled off-site 325	8.4.C Quantity recy	cled on-site	0
8.5.B Quantity recycled off-site 325	8.4.D Quantity recy	cled on-site	0
	8.5.A Quantity recy	cled off-site	
8.5.C Quantity recycled off-site 300			325
	- · · · - · · · · · · · · · · · · · · ·		
8.5.D Quantity recycled off-site 300			300
8.6.A Quantity treated on-site			0
8.6.B Quantity treated on-site			The state of the s
8.6.C Quantity treated on-site	The state of the s		
8.6.D Quantity treated on-site			
8.7.A Quantity treated off-site			
8.7.B Quantity treated off-site	and the contract of the contra		
8.7.C Quantity treated off-site	· . · · · · · · · · · · · · · · · · · ·		
8.7.D Quantity treated off-site	and the control of th		
8.8 Quantity released from catastrophic/remedial action 0			
8.9 Production ratio or activity index .60	8.9 Production ra	tio or activity index	.60

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RELEASE

Document Control Nbr. Chemical Name 13-92-06539310-0-WA CHROMIUM COMPOUNDS	CAS 1090	Number
5.1 Fugitive or non-point air emissions		1 - 10
5.2 Stack or point air emissions		NA
5.3.A Discharges to water bodies NA		NA
5.4 Underground injections on-site		MA
5.5.1 Releases to landfill		АИ
5.5.2 Releases to land treatment/application farming		MA
5.5.3 Releases to surface impoundment		NA
5.5.4 Releases to other land disposal		NA
6.2.01 Transfer to other off-site WORLD RESOURCES CO.		- 499
6.1.A Total quantity transferred to POTWs	11	– 499
8.1.A Quantity released		14
8.1.B Quantity released		12
8.1.C guantity released		10
8.1.D Quantity released		10
8.2.A Quantity used for energy recovery on-site		0
8.2.B Quantity used for energy recovery on-site		0
8.2.C Quantity used for energy recovery on-site		0
8.2.D Quantity used for energy recovery on-site		0
8.3.A Quantity used for energy recovery off-site		0
8.3.3 Quantity used for energy recovery off-site		0
8.3.C Quantity used for energy recovery off-site		0
8.3.D Quantity used for energy recovery off-site 8.4.A Quantity recycled on-site	2	0
8.4.A Quantity recycled on-site 8.4.B Quantity recycled on-site		0
8.4.C Quantity recycled on-site		0
8.4.D Quantity recycled on-site		0
8.5.A Quantity recycled off-site		· · · · · · · · · · · · · · · · · · ·
8.5.B Quantity recycled off-site		348
8.5.C Quantity recycled off-site		310
8.5.D Quantity recycled off-site		310
8.6.A Quantity treated on-site		0
8.6.B Quantity treated on-site		ō
8.6.C Quantity treated on-site		0
8.6.D Quantity treated on-site		0
8.7.A Quantity treated off-site		0
8.7.B Quantity treated off-site		0
8.7.C Quantity treated off-site		0
8.7.D Quantity treated off-site		0
8.8 Quantity released from catastrophic/remedial action		0
8.9 Production ratio or activity index		.60